

**Liv Enviro Midterm Review**  
**Answer Key**  
**SacMdtrmRevw2Tst1112 New [Jan 12, 2012]**

1. 2
2. 4
3. 4
4. 2
5. 2
6. 2
7. 3
8. 1
9. 1
10. 4
11. 4
12. 2
13. 1
14. 4
15. 1
16. 2
17. 4
18. 2
19. 3
20. 4
21. 2
22. 3
23. 2
24. 3
25. 1

26. 3

27. 3

28. — group with normal rainwater — group with water of pH 5.6

29. — number of seeds that germinated at different pHs — how many seeds grew — germination of seeds

30. 2

31. 3

32. 4

33. 4

34. 2

35. 3

36. 1

37. 3

38. 2

39. 2

40. 3

41. 2

42. 4

43. 3

44. 3

45. 4

46. Methylene blue was used to stain the specimen.

47. 1

48. 4

49. 4

50. 2

51. 3

52. 4

53. 1

54. 2

55. 4

56. 4

57. 1

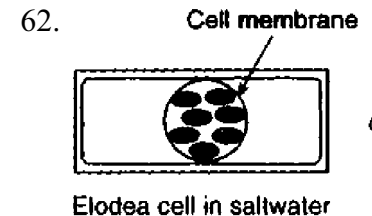
58. 4

59. 4

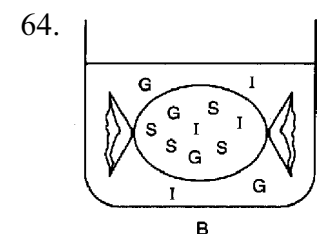
60. 1

61. Acceptable responses include but are not limited to: Muscle cells produce more carbon dioxide when they are active than when they are not very active. The increased blood flow carries away the extra carbon dioxide to the lungs, where it can be excreted. - Muscle cells use more oxygen when they are active than when they are not very active. An increased circulation rate brings more oxygen to the muscle cells. - Muscle cells produce more heat when they are active than when they are not very

active. The increased blood flow helps carry away the excess heat to the skin, where it is lost to the surroundings.



63. Acceptable responses include, but are not limited to:  
 — 80%, because the model cell did not increase in mass  
 — 80%, because the model cell did not change  
 — According to the table, when the mass of the model cell is 10 grams, the concentration of water outside the model cell is 80%. This would be the same as the concentration of water inside the model cell.



65. *Examples:* – a color change – The color changes from amber to blue black.